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Glucose Homeostasis and Insulin Resistance in veal calves

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Propositions

1. The strong decrease insulin sensitivity observed in young calves is primarily caused by the ontogenetic development of calves, and not by nutritional factors.

-This thesis -

2. In-depth metabolic profiling may uncover previously unknown pathways related to insulin resistance (in calves).

-This thesis -

3. Application of metabolomics-based biomarkers can play a role in early detection of patho-physiology in veal calves.

-This thesis -

4. Replacing a part of lactose in calf milk replacer by other energy sources with a lower glycemic index may improve post-prandial glucose homeostasis but will not improve insulin sensitivity.

-This thesis -

5. There is no shame in not knowing, but there is a shame in not asking, especially when working in a multi-disciplinary group.

- Self-adaption of a Russian Proverb -

6. Motivating yourself is motivating others to achieve the common goals.